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NORTH DAKOTA FUNGI—I

J. F. BRECKLE

In this list an attempt is made to bring together all known North Dakota Fungi mentioned in earlier lists and papers, as well as those collected during the past seven years. The following gentlemen have contributed to the list with papers and collections:

Prof. A. B. Seymour's "List of Fungi Collected in 1884 along the Northern Pacific R. R." probably contains the first information that any fungi existed in Dakota Territory.

Then came Mr. C. G. Lloyd's "Letters" and "Mycological Notes," which report a number of species collected by Prof. L. R. Waldron, Miss L. Perrine, and myself.

Dr. Fred J. Seaver next published "Some North Dakota Hypocreales," "Discomycetes of North Dakota," and "Slime Moulds of North Dakota." He also issued three fascicles of exsiccata under the title of "North Dakota Fungi" during his stay in the state (1907-1908).

Lists of my collections have been published by Dr. Rehm, Dr. Sydow, and Prof. Saccardo. "Fungi Dakotenses" was started after Dr. Seaver left the state.

Prof. O. A. Stevens, of Fargo, has been an active collector for some years and has added many names to the list. Dr. J. Lunell, of Leeds, has contributed a number of species. Dr. J. R. Weir, Forest Pathologist, has sent specimens and a list of tree fungi found in the Sioux National Forest which borders on North Dakota on the southwest.

The kindly encouragement and help of Mr. Lloyd, Drs. Seaver, Arthur, Farlow, Clinton, Rehm, and Saccardo have made the list possible and to them may be attributed most of the determinations.

The data accompanying the names are, the host-names or substratum, place and date of collection, and the name of the col-

lector unless collected by myself. Subscribers to the author's "Fungi Dakotenses" will kindly note certain corrections in the names of fungi and hosts.

I. PHYCOMYCETES

Albugo Blitii (Biv.) Kuntze.

On *Amaranthus graecizans*, *A. blitoides*, and *A. retroflexus*. Kulm, Aug. 1911; Jamestown, Sept., 1884, Seymour.
(Fungi Dak. 136, 159, 159a.)

Albugo candida (Pers.) Kuntze.

On *Brassica arvensis* and *Capsella Bursa-pastoris*. Kulm, July, 1908.
(Fungi Dak. 27, 27a.)

Albugo Tragopogonis (Pers.) Kuntze.

On *Artemisia biennis* and *Ambrosia psilostachya*. Kulm, July, 1912.
On *Ambrosia trifida*. Bismarck, Aug., 1915.
On *Tragopogon porrifolius*. Fargo, July, 1915, Stevens.
(Fungi Dak. 158, 193, 327, 351.)

Basidiophora Kellermanii (Ellis & Hals.) Wilson.

On *Iva xanthiifolia*. Kulm, 1911, Sykeston, Seaver.
(Fungi Dak. 28.)

Cladochytrium major (Schroet.) Fish.

On *Rumex brittanica*. Kulm, June, 1910.
(Fungi Dak. 138.)

Peronospora Arthuri Farl.

On *Anogra strigosa*. Kulm, June, 1910.
(Fungi Dak. 123.)

Peronospora calotheca DeBary.

On *Galium boreale*. Kulm, June, 1913.
(Fungi Dak. 391.)

Peronospora effusa (Grev.) Rahb.

On *Chenopodium album*. Kulm, July, 1912.

Peronospora gangliiformis (Berk.) DeBary.

On *Lactuca pulchella*. Kulm, Aug., 1908.
(Fungi Dak. 390.)

Peronospora leptosperma DeBary.

On *Artemisia biennis* and *A. ludoviciana*. July, 1912.
(Fungi Dak. 197, 336.)

Peronospora Echinosperrya Swingel.

On *Lapulus Lapulus*. Jamestown, June, 1913.
(Fungi Dak. 198.)

Peronospora parasitica (Pers.) Tul.

On *Lepidium* sp. Jamestown, 1884, Seymour.

Peronospora Polygoni Thuem.

On *Polygonum convolvulus*. Kulm, June, 1913.

Peronospora Potentillae DeBary.

On *Potentilla pentandra*. Kulm, July, 1911.

Peronospora pygmaea Ung.

On *Anemone canadensis*. Kulm, July, 1911.

(Fungi Dak. 214.)

Peronospora Trifoliorum DeBary.

On *Astragalus caroliniana*. Kulm, July, 1915; Bismarck, Seymour.

(Fungi Dak. 337.)

Peronospora Viciae (Berk.) DeBary.

On *Vicia linearis*. Kulm, June, 1909.

(Fungi Dak. 124.)

Physoderma Eleocharidis (Fuckel.) Schroet.

On *Eleocharis palustris*. Kulm, Oct., 1910.

(Fungi Dak. 39.)

Pilobolus crystallinus (Wigg.) Tode.

On horse manure. Kulm, July, 1916.

(Fungi Dak. 394.)

Plasmopara Halstedii Farl.

On *Ambrosia psilostachya*. Kulm, June, 1912.

On *Helianthus annuus*, *H. Maximiliani* and *H. subrhomboides*. Kulm, Sept., 1912.

On *Rudbeckia hirta*. Kulm and Bismarck, 1884, Seymour.

(Fungi Dak. 199, 199a, 238.)

Synchytrium decipiens Farl.

On *Falcata comosa*. Bismarck, Seymour and Stevens.

(Fungi Dak. 349.)

Sclerospora graminicola (Sacc.) Schroet.

On *Chaetochloa viridis*. Kulm, August, 1909.

(Fungi Dak. 86.)

II. ASCOMYCETES

Amphisphaeria decolorans Rehm.

On dead bark of *Salix*. Kulm, November, 1913.

On dead bark of *Cornus stolonifera*. Whitestone Gully, 1916.

Anthostoma picaceum (Cooke & Ellis) Ellis & Everh.

On twigs of *Fraxinus lanceolata*. Wirth Lake, May, 1914.

The spores have a nucleus at each end, are somewhat curved but otherwise as described in Ellis & Everh.

Ascophanus carneus (Pers.) Boud.

On horse manure. Kulm, July, 1915.

On cow manure. Sykeston, Seaver.

Ascophanus cinereus (Crouan) Boud.

On horse dung. Woods near Fargo, Seaver.

Ascophanus crustaceus Starb.

On horse manure. Kulm, July, 1915.

Ascophanus testaceus (Moug.) Phill.

On old building paper. Fargo, Seaver.

Ascobolus immersus Pers.

Collected near Sykeston by Seaver.

Ascospora pseudhimantia Rehm n. sp.

On stems of *Aster paniculatus*. Fargo, June, 1915, Stevens.

Blitrydium fenestratum (Cooke & Peck.) Sacc.

On *Populus tremuloides*. Fargo, Seaver and Stevens.
(Fungi Dak. 303.)

Biatorella campestris (Fries.) Th. Fries.

On moss sod. Kulm, July, 1914.
(Fungi Dak. 206.)

Calosphaeria princeps Tul.

On *Prunus americana*. Kulm, July, 1913.

Cenangium furfuraceum (Roth.) Sacc.

On *Corylus americana*. Fargo, Seaver and Stevens.

Cenangium populneum prunicolum Rehm. n. var.

On *Prunus melanocarpa*. Kulm, May, 1914.
(Fungi Dak. 209. The host was given as *P. virginiana* but Prof. Bergman corrects this to *P. melanocarpa*.)

Ceratosoma graphioides Sacc.

On fallen twigs of *Crataegus mollis*. Kulm, April, 1913.

Ceratosoma subrufum Ellis. & Everh.

On stems of *Rubus strigosus*. Kulm, March, 1916.

Ciboria sulphurella (Ellis. & Everh.) Rehm.

On Ash leaves. Fargo and Hawk's Nest, Seaver.

Coryne sarcoides (Jacq.) Tul.

On decaying logs. Fargo, Seaver.

Cordyceps militaris (L.) Link.

On larvae of insects. Fargo woods, Seaver.

Cordyceps pistillaris Berk. & Br.

On scale-insects. Fargo woods, Seaver.

Claviceps purpurea (Fries) Tul.

On *Secale cereale*. Emmons Co., August, 1915.

On *Bromus inermis*, *Elymus virginicus*, *Agropyron occidentale*, and *A. repens*.
(Fungi Dak. 328.)

Claviceps nigriceps Tul.

On *Eleocharis palustris*. Kulm, August, 1908.
(Fungi Dak. 33.)

Claviceps microcephala (Wallr.) Karst.

On *Calamagrostis neglecta*. Kulm, August, 1908.
(Fungi Dak. 4.)

- Creonectria Coryli* (Fuckel.) Seaver.
(Rehm calls it *Chilonectria inaurata* (Berk. & Br.) Sacc.)
On *Symphoricarpos occidentalis*. Kulm, March, 1910.
- Creonectria coccinea* (Pers.) Seaver.
On dead wood. Fargo, Seaver.
- Creonectria verrucosa* (Schw.) Seaver.
On *Acer Negundo* and *Populus deltoides*. Kulm.
(Fungi Dak. 213, 282.)
- Creonectria purpurea* (L.) Seaver.
On *Prunus melanocarpa*. Kulm and Fargo, Seaver.
(Fungi Dak. 388.)
- Creonectria tuberculiformis* (Rehm) Seaver.
On *Urtica gracilis*. Fargo, Seaver.
- Cryptosphaeria millipunctata* Grev.
On *Fraxinus lanceolata*. Kulm, May, 1911.
- Cryptosphaeria populina* (Pers.) Sacc.
On *Populus deltoides*. Kulm, September, 1912.
(Fungi Dak. 211.)
- Cucurbitaria Caraganae Elaeagni* Rehm.
On *Elaeagnus argentea*. Kulm, July, 1914.
(Fungi Dak. 306.)
- Cucurbitaria conglobata Crataegi* Rehm.
On *Crataegus mollis*. Kulm, May, 1911.
- Cucurbitaria Crataegi* (Schw.) Ellis & Everh.
On *Crataegus mollis*. Kulm, March, 1913.
- Cucurbitaria Fraxini* Ellis & Everh.
On *Fraxinus lanceolata*. Kulm, April, 1906.
- Cucurbitaria Negundinis* Wint.
On *Acer Negundo*. Kulm, November, 1913.
- Cucurbitaria occulta* Oudem.
On *Shepherdia argentea*. Kulm, June, 1913.
- Cucurbitaria umbilicata* Ellis.
On *Chrysothamnus graveolens*. Sentinal Butte, August, 1914, Stevens.
- Daldinia vernicosa* Schw.
On *Quercus macrocarpa*. Fargo, Stevens.
On *Fraxinus* and *Populus*, Kulm.
- Dasyscypha Ivae* Rehm, n. sp.
On dead *Iva xanthiifolia*. Kulm, April, 1913.
- Dasyscypha nivea* (Hedw.) Sacc.
On oak wood. Hawk's Nest, Seaver.
- Diatrype albopruinosa* (Schw.) Cooke f. *salicina* Rehm.
On *Salix*. Kulm, October, 1911.
(Fungi Dak. 160.)

- Diatrype americana* Ellis & Everh. f. *Ostryae* Rehm.
On *Ostrya virginica*. Fargo, August, 1914, Stevens.
(Fungi Dak. 307.)
- Diatrype americana* Ellis & Everh. f. *Quercus* Rehm.
On *Quercus macrocarpa*. Delaney's Ranch, August, 1915.
- Diatrype asterostoma* Berk. & Cooke.
On *Prunus melanocarpa*. Leeds, July, 1914, Lunell.
- Diatrype dakotensis* Rehm, n. sp.
On *Salix*. Kulm, December, 1914.
- Diatrype Hochelagae* Ellis & Everh.
On *Acer Negundo*. Kulm, August, 1911.
- Diatrype linearis* Ellis & Everh. f. *Salicis* Rehm.
On *Salix*. Kulm, December, 1913.
- Diatrype radiata* Ellis.
On *Ulmus americana*. Kulm, October, 1911.
- Diatrype stigma* (Hoff.) DeNot.
On *Salix*. Kulm, November, 1913.
- Diatrype tristicha* DeNot.
On *Rosa subnuda*. Kulm, May, 1913.
(Fungi Dak. 251.)
- Diatrype tumida* Ellis & Everh. f. *Populi* Rehm.
On *Populus tremuloides*. Fargo, July, 1914.
- Diatrype tumida* Ellis & Everh. f. *Pruni* Rehm.
On *Prunus americana*. Fargo, July, 1914.
- Diatrypella Frostii* Peck.
On *Corylus americana*. Fargo, November, 1916, Stevens.
(Fungi Dak. 428.)
- Didymosphaeria brunneola* Niessl.
On *Apocynum hypericifolium*. Kulm, November, 1913.
- Didymosphaeria crastophila* Niessl.
On *Andropogon scoparius*. Kulm, November, 1913.
- Dothidella ulmea* (Schw.) Ellis & Everh.
On *Ulmus americana*. Fargo, Spring, 1914.
(Better called "*Gnomonia ulmea* (Schw.) Thuem. see "Die Dothideales.")
Ann. Mycol. 13: 325. 1915.
(Fungi Dak. 329.)
- Dimerosporium Collinsii* (Schw.) Sacc.
On *Amelanchier alnifolia*. Fargo, June, 1915.
- Epichlae typhina* (Pers.) Tul.
On *Koeleria cristata*. Kulm, June, 1909.
(Fungi Dak. 54.)

Erysiphe Cichoracearum DC.

On the following hosts at various places: *Aster longifolius*, *A. multiflorus*, *A. paniculatus*, *Ambrosia trifida*, *Artemisia longifolia*, *Cirsium Floodmani*, *Grindelia squarrosa*, *Helianthus annuus*, *H. Maximiliani*, *H. tuberosus*, *Hydrophyllum virginicum*, *Iva xanthiifolia*, *Lactuca scariola*, *L. spicata*, *Plantago asiatica*, *P. major*, *Ratabida columnaria*, *Solidago Canadensis*, *S. mollis*.

(Fungi Dak. 139, 277, 277a, 161, 161a, 308, 308a, 308.)

Erysiphe Cichoracearum f. *Galeopsidi* (DC.) Salmon.

On *Stachys palustris*. Kulm, August, 1911.

(Fungi Dak. 162.)

Erysiphe communis (Wallr.) Fries.

On *Anemone canadensis*. Kulm, September, 1914.

On *Glycyrrhiza lepidota*. Berg, September, 1914, Stevens.

(Fungi Dak. 300, 309a.)

Erysiphe graminis DC.

On *Poa pratensis*. Fargo, October, 1914, Stevens.

Erysiphe Polygoni DC.

On *Polygonum aviculare*, *P. erectum*, *Ranunculus abortivus*, *R. cymbalarius*, *Thalictrum purpurascens*. Fargo and Kulm, Stevens and Brenckle.

(Fungi Dak. 34, 121, 310, 378.)

Eutypha astra (Nitsch.) Fuckel.

On *Quercus macrocarpa*. Fargo, July, 1914.

(Fungi Dak. 311.)

Eutypha Fraxini (Nitsch.) Sacc.

On *Fraxinus lanceolata*. Kulm, December, 1913.

Eutypha lata (Pers.) Tul.

On *Prunus americana* and *Quercus macrocarpa*. Kulm and Fargo.

(Fungi Dak. 163, 357.)

Eutypha nitida Nitsch.

On *Salix*. Kulm, September, 1911.

(Fungi Dak. 164.)

Eutypha scabrosa (Bull.) Auersw.

On *Fraxinus lanceolata*. Wirth Lake, May, 1914.

On *Salix*.

Eutypha velutina (Wallr.) Sacc.

On *Salix*. Kulm, October, 1911.

Eutypella angulosa Nitsch. f. *Negundinis* Rehm.

On *Acer Negundo*. Kulm, September, 1911.

(Fungi Dak. 165.)

Eutypella angulosa Nitsch. f. *Fraxini* Rehm.

On *Fraxinus lanceolata*. Fargo, July, 1914.

Exoascus deformans Fuckel.

On *Prunus americana*, *P. melanocarpa*, and *P. Bessii*. Kulm and general in the state.

Exoascus Pruni Fuckel.

On *Prunus americana*, *P. melanocarpa*, and *P. Bessii*.
(Fungi Dak. 96.)

Gibberella pulicaris (Fries) Sacc.

On *Zea Mays*. Fargo, August, 1907, Seaver.

Gloniopsis Gerardiana Sacc.

On oak. Fargo, Seaver.

Glonium lineare (Fries) DeNot.

On wood. Hawks Nest, 1908, Seaver.

Glonium parvulum (Gerard) Sacc.

On stumps. Fargo, 1907, Seaver.

Glonium stellatum Mühl.

On wood. Fargo, August, 1907, Seaver.

Galactinia succosa (Berk.) Cooke.

On soil in woods. Fargo, 1907, Seaver.

Geopyxis nebulosa (Cooke) Sacc.

On decaying log. Fargo, 1907, Seaver.

Graphyllum dakotense Rehm, n. sp.

On *Artemisia frigida*. Dickey Co., April, 1915.

On *Andropogon scoparius*. Kulm, November, 1913.
(Fungi Dak. 330.)

Graphyllum graminis (Ellis & Everh.) Rehm.

On *Phragmites communis*. Dickey Co., November, 1914.
(Fungi Dak. 312.)

Helotium citrinum (Hedw.) Fries.

On wood. Fargo, 1907, Seaver.

Helotium herbarium (Pers.) Fries.

On *Ambrosia trifida*. Kulm, August, 1913.

Helvella crispa (Scop.) Fries.

On moss sod. Cheyenne River, August, 1916.

Helvella elastica Bull.

On moss sod in woods. Cheyenne River, August, 1916.

Humaria deerata (Karst.) Sacc.

On old cabbage stems. Kulm, May, 1911.
(Fungi Dak. 140.)

Humaria humosa Fries.

On moss sod. Kulm, May, 1908.

Humaria subhirsuta (Schum.) Karst.

On soil. Kulm, June, 1909.
(Fungi Dak. 141.)

Hypocrea sulphurea (Schw.) Sacc.

On *Tilia americana*. Fargo, Seaver. Reported as *H. citrina* (Pers.)
Fries.

- Hypocrea patella* Peck.
On old sphaeriaceous fungi. Fargo, Seaver.
- Hypoderma Scirpinum* DC.
On *Scirpus occidentalis*. Kulm, May, 1908.
(Fungi Dak. 142.)
- Hypomyces aurantius* (Pers.) Fuckel.
On dead fungi. Woods, Fargo, Seaver.
- Hypomyces Lactiflorum* (Schw.) Tul.
On *Lactaria* sp. Fargo, August, 1907, Seaver.
- Hypomyces ochraceus* (Pers.) Tul.
On dead Agaric. Fargo, September, 1907, Seaver.
- Hypomyces rosellus* (Albert. & Schw.) Tul.
On logs. Fargo, Seaver.
- Hyponectria dakotensis* Seaver.
On *Ambrosia trifida*. Fargo, Seaver.
- Hypomyces polyporinus* Peck.
On *Polystictus versicolor*. Fargo, Seaver.
- Hysterium Prostii* Duby.
On *Cornus stolonifera*. Whitestone gully, October, 1916.
- Hysteropatella Prostii* (Duby.) Rehm.
On wood. Fargo, Seaver.
- Hysterographium Fraxini* (Pers.) DeNot.
On *Fraxinus lanceolata*. Fargo and Kulm, Seaver.
(Fungi Dak. 256.)
- Hysterographium Mori* (Schw.) Rehm.
On oak wood. Fargo, Seaver.
- Hysterographium Rousselii* DeNot.
On dead *Salix*. Kulm, November, 1915.
(So determined by Dr. Rehm.)
- Karschia lignyota* (Fries.) Sacc.
On wood. Hawk's Nest, Seaver.
- Karschia traveliana* Rehm.
On log of Ash. Fargo, Seaver.
- Lachnea albida* Schaeff.
On moss sod. Anselm, August, 1916.
On wood. Fargo, Seaver.
(Fungi Dak. 407.)
- Lachnea erinaceus* (Schw.) Sacc.
On log. Anselm, August, 1916.
- Lachnea scutellata* (L.) Sacc.
On wood and soil. Sykeston, Seaver.

Lachnea umbrata (Fries) Phill.

On soil. Kulm, May, 1910.

Laestadia Apocyni Ellis & Everh.

On *Apocynum hypericifolium*. Kulm, September, 1914.

Laestadia Scabiosae Lamb. & Faut.

On *Aster multiflorus*. Kulm, July, 1913.

Lamprospora detonia Brenckle.

On moss sod. Woods, Cheyenne river, August 13, 1916. According to Durand this is *Detonia scabrosa*.

Lasiobolus equinus (Muel.) Karst.

On horse dung. Sykeston, Seaver.

Leptosphaeria anthelmintica (Cooke) Sacc.

On *Chenopodium glaucum*. Kulm, September, 1913.

Leptosphaeria Artemisiae (Fuckel) Auersw.

On *Artemisia ludoviciana*. Kulm, November, 1913.

On *Artemisia caudata*. Glenn Ullin, July, 1915, Stevens.

Leptosphaeria borealis Ellis & Everh.

On *Salix*. Kulm, November, 1913.

Leptosphaeria Coniothyrium (Fuckel) Sacc.

On *Rubus strigosus*. Kulm, March, 1916.

(Fungi Dak. 384.) (Not *Leptosphaeria fuscella*.)

Leptosphaeria conoidea DeNot.

On *Urtica gracilis*. Kulm, October, 1913.

Leptosphaeria consessa (Cooke & Ellis) Sacc.

On *Ambrosia psilostachya*, *A. trifida*, and *Helianthus subrhomboides*.
Kulm, August, 1913.

(Fungi Dak. 230.)

Leptosphaeria culmifraga (Fries) Ces. & DeNot.

On *Agropyron tenerum*. Kulm, July, 1913.

On *Elymus hirsutiglumis*. Fargo, July, 1915, Stevens.

Leptosphaeria culmorum Auersw.

On *Elymus canadensis*, *Agropyron Richardsoni*, *Andropogon furcatus*.
July, 1914.

Leptosphaeria Elymi Atk. (?)

On *Elymus canadensis*. Kulm, July, 1913.

Has spores somewhat longer and seven-septate, otherwise as described in Ellis & Everh.

(Fungi Dak. 231.)

Leptosphaeria Erigerontis Berl.

On *Aster longifolius*. Kulm, August, 1913.

(Fungi Dak. 232.)

Leptosphaeria Helianthi Ellis & Everh.

On *Helianthus giganteus*. Kulm, September, 1913.

Leptosphaeria Muhlenbergii (Ellis) Niessl.

Dr. Rehm after repeated examination of mature material sides with Niessl in placing this fungus with *Leptosphaeria* rather than *Dothidea*.
(See N. Amer. Pyren., Ellis & Everh. p. 614.)
(Fungi Dak. 313.)

Leptosphaeria nigricans inculta Sacc.

On old stems of *Grindelia squarrosa*. Kulm, August, 1913.

Leptosphaeria Onagrae Rehm, n. sp.

On *Onagra strigosa*. Kulm, July, 1913.
(Fungi Dak. 233.)

Leptosphaeria planiuscula (Riess.) Ces. & DeNot.

On *Leptilon canadensis*. Kulm, July, 1913.
(Fungi Dak. 234.)

Leptosphaeria tetonensis (Ellis & Everh.) Rehm.

Syn. *Melanomma occidentale tetonense* Ellis & Everh. (See N. Amer. Pyren. Ellis & Everh. p. 183.)
On *Artemisia frigida*. Kulm, November, 1908.
(Fungi Dak. 143.)

Leptosphaeria Thalictri Winter.

On *Thalictrum dasycarpum*. Fargo, June, 1915.

*Leptosphaeria trimeroide*s Rehm.

On *Liatris scariosa*. Kulm, August, 1913.

Leptosphaeria Typharum Karst.

On *Typha latifolia*. Kulm and Fargo, 1914.
(Fungi Dak. 334.)

Lophiostoma Arundinis (Fries) Ces. & DeNot.

On *Phragmites communis*. Kulm, November, 1914.
On *Agropyron* sp. Kulm, October, 1915.

Lophiostoma caulicum (Fries) Ces. & DeNot.

On *Amaranthus graecizans*. Kulm, March, 1913.

Lophiostoma insidiosum (Desm.) Ces. & DeNot.

On *Aster multiflorus*. Kulm, July, 1913.
(Fungi Dak. 314.)

Lophiostoma insidiosum f. *Salicis* Rehm.

On *Salix* sp. Kulm, December, 1913.

Lophiostoma macrostomoides DeNot.

On *Symphoricarpos*, *Salix*, and *Populus*. Kulm, 1913.
Probably identical with *L. triseptatum pleuriseptatum* Ellis & Everh.
(Fungi Dak. 147.)

Lophiostoma Pruni Ellis & Everh.

On *Prunus americana* and *P. melanocarpa*. Kulm, 1913.

Lophiostoma Starbackii Karst.

On *Prunus melanocarpa*. Kulm, May, 1914.

Lophiostoma triseptatum pleuriseptatum Ellis & Everh.

On all the natural woods. General over the state.

(Fungi Dak. 147, 257, 314.)

Lophiostoma triseptatum Peck. f. *Fraxini* Rehm.

On *Fraxinus lanceolata*. Wirsh Lake, May, 1914.

Macropodia macropus (Pers.) Fuckel.

On moss sod. Anselm, August, 1916.

Massaria conspurcata (Wallr.) Sacc.

On *Prunus americana*. Kulm, November, 1911.

(Fungi Dak. 166.)

Melanomma minutum Berl.

On old *Salix*. Beaver Lake, July, 1908.

Melanomma occidentale (Ellis) Sacc.

On *Chrysothamnus graveolens*. Sentinal Butte, August, 1914, Stevens.

Melanomma pulvis-pyrus (Tetr.) Fuckel f. *Fraxini* Rehm.

On *Fraxinus lanceolata*. Kulm, April, 1908.

Melanopsamma improvita Karst.

On hail-injured apple tree. Kulm, January, 1914.

Melanopsamma salicaria (Karst.) Sacc.

On *Salix* sp. Kulm, December, 1913.

Melanopsamma salicaria (Karst.) f. *fallax* Sacc.

On *Salix*. Kulm, June, 1913.

Metasphaeria ambrosiaeicola Atk.

On *Ambrosia psilostachya*. Kulm, August, 1913.

Metasphaeria ambrosiaeicola Ivae Rehm.

On *Iva xanthiifolia*. Kulm, March, 1908.

(Fungi Dak. 144.)

Metasphaeria ambrosiaeicola praetans Rehm.

On *Ambrosia trifida*. Kulm, August, 1913.

Spores seven-septate.

Metasphaeria anisometra Cooke & Hark.

On *Dondia depressa*. Kulm, Aug., 1913.

Microsphaera Alni (Wallr.) Wint.

On *Corylus*, *Syringa*, *Viburnum lentago*, *V. prunifolium*. Fargo, Seaver and Stevens.

(Fungi Dak. 280, 280a.)

Microsphaera Ravenelii Grev.

On *Lathyrus odoratus*. Fargo, October, 1914, Stevens.

On *Vicia linearis*. Belfield, August, 1914, Stevens.

(Fungi Dak. 281, 281a.)

Microsphaera Symphoricarpi Howe.

On *Symphoricarpos occidentalis*. Valley City, Seymour.

(Fungi Dak. 212.)

- Mollisia atrata* (Pers.) Karst.
On *Ambrosia trifida*. Fargo, August, 1907, Seaver.
- Mollisia Dehnii* Karst.
On *Potentilla norvegica*. Kulm, June, 1908; Fargo, Seaver.
(Fungi Dak. 5.)
- Mollisia cinerea* (Batsch) Karst.
On wood. Fargo, 1907, Seaver.
- Nectria episphaeria* (Tode) Fries.
On old sphaeriaceus fungi. Fargo, 1907, Seaver.
- Nectria Peziza* (Tode.) Fries.
On decaying log. Fargo, July, 1907, Seaver.
- Morchella conica* Pers.
On prairie. Kulm, June, 1908.
- Morchella esculenta* (L.) Pers.
Woods. Fargo, 1907, Seaver.
- Nitschkea crustacea* (Karst.) Sacc.
On old *Prunus melanocarpa*. Wirth Lake, May, 1914.
- Nummularia repanda* (Fries) Nitsch f. *querceti* Rehm.
On *Quercus macrocarpa*. Fargo, July, 1914.
- Ophiobolus acuminatus* (Sow.) Duby.
On *Circium Flodmanii*. Kulm, March, 1909.
- Ophiobolus anguillides* (Cooke) Sacc.
On *Ambrosia psilostachya* and *A. trifida*. Kulm, August, 1913.
(Fungi Dak. 38, 236.)
- Ophiobolus Circii* (Karst.) Sacc. f. *furcatus* Rehm.
On *Circium Flodmanii*. Kulm, July, 1913.
- Ophiobolus claviger* Hark.
On *Artemisia biennis* and *Iva xanthiifolia*. Kulm, July, 1913.
(Fungi Dak. 237.)
- Ophiobolus collapsus* Ellis & Everh.
On *Chenopodium album* and *Lappula Lappula*. Kulm, July, 1913.
- Ophiobolus porphyrogonus* (Tode) Sacc.
On *Brassica arvensis*. Kulm, August, 1913.
- Otthia Crataegi* Fuckel.
On *Crataegus mollis*. Kulm, May, 1911.
- Parodiella grammodes* (Kuntze) Cooke.
On *Psoralea argophylla*. Williston, August, 1915.
- Patellaria atrata* (Hedw.) Sacc.
On *Prunus melanocarpa*. Wirth Lake, May, 1914.
- Patellaria clavisporea* (Peck) Sacc.
On willow and cottonwood. Fargo, Seaver.

Peroneutypa corniculata (Ehrh.) Berl.

On *Prunus melanocarpa*. Wirsch Lake, May, 1914.

(Fungi Dak. 250.)

Peziza badia Pers.

On soil in woods. Fargo, 1907, Seaver.

Peziza repanda Wallr.

On log in woods. Fargo, 1908, Seaver.

Peziza rutilans Fries.

On moss sod. Kulm, September, 1911.

Peziza vesiculosa Bull.

On soil and manure. Kulm; Sykeston, Seaver.

Pezizula Rosae Sacc.

On *Rosa* sp. Kulm, January, 1914.

(Fungi Dak. 392.)

Pezizella dakotensis Rehm, n. sp.

On *Symphoricarpos occidentalis*. Kulm, July, 1913.

Phacidium Trifolii (Barsch) Boud.

On *Trifolium pratense*. Grandin, June, 1915, Stevens.

Phaeopeziza fuscocarpa (Ellis & Holw.) Sacc.

On old wood. Fargo, August, 1908, Seaver.

Phialea cyathoides (Bull.) Rehm.

On *Iva xanthiifolia*. Kulm, July, 1913.

Phialea Urticae (Pers.) Sacc.

On *Urtica gracilis*. Fargo, Seaver.

Phomatospora Rosae Rehm, n. sp.

On *Rosa* sp. Kulm, July, 1913.

(Fungi Dak. 284.)

Phyllachora canaliculata Sacc.

On *Cyperus Schweinitzii*. Anselm, August, 1916, Stevens.

Phyllachora graminis Pers.

On many grasses. Kulm, 1909.

(Fungi, Dak. 8, 9.)

Phyllachora Tracyi Ellis & Everh.

On *Distichlis spicata*. Kulm, August, 1908.

(Fungi Dak. 10.)

Phyllactinia suffulta (Reb.) Sacc.

On *Fraxinus lanceolata*. Fargo, September, 1914, Stevens.

(Fungi Dak. 286.)

Physalospora Festucae (Liebret) Niessl.

On *Agropyron tenerum*. Kulm, November, 1913.

Physalospora megastoma (Peck) Woron.

On *Astragalus bisulcatus* and *A. goniatus*. Kulm, June, 1910.

(Fungi Dak. 11.) Not *P. aurantica* Ellis & Everh.)

- Pleonectria berolinensis* Sacc.
On *Ribis rubrum* and *R. floridum*. Kulm, July, 1909.
(Fungi Dak. 125, 239.)
- Pleosphaerulina corticola* (Fuckel) f. *Rosae* Rehm.
On *Rosa* sp. Kulm, March, 1913.
- Pleosphaerulina corticola* (Fuckel) f. *Crataegi* Rehm.
On *Crataegus mollis*. Kulm, March, 1913.
- Pleospora diaporthaeoides* Ellis & Everh.
On *Helianthus Maximiliani*. Kulm, September, 1913.
- Pleospora Lecanora* (Falve) Rehm.
On *Salsola tragus*. Kulm, July, 1913.
(Fungi Dak. 240.)
- Pleospora permunda* Cooke.
On *Urtica gracilis*. Kulm, September, 1913.
- Pleospora vagans* Niessl.
On *Poa serotina*. Kulm, August, 1913.
- Pleospora vulgaris* Niessl. f. *astericola* Rehm.
On *Aster multiflorus*. Kulm, July, 1913.
- Plowrightia morbosa* (Schw.) Sacc.
On *Prunus Bessii*, *P. americana* and *P. melanocarpa*.
(Fungi Dak. 97, 410.)
- Plowrightia Symphoricarpi* Ellis & Everh.
On *Symphoricarpos occidentalis*. Kulm, April, 1909.
- Podosphaera Oxyacanthae* (DC.) DeBary.
On *Crataegus mollis*. Fargo, Stevens.
On *Prunus Bessii*, Dickenson, September, 1916.
On *Prunus americana* and *P. melanocarpa*.
(Fungi Dak. 146, 288.)
- Propolis faginea* (Schröd.) Karst.
On old wood. Fargo, August, 1907, Seaver.
- Pseudopeziza Medicaginis* (Lib.) Sacc.
On *Medicago sativa*. Fargo, August, 1907, Seaver.
- Pseudotthia Symphoricarpi* (Ellis & Everh.) Rehm.
On *Symphoricarpos occidentale*. Kulm, February, 1913.
(Fungi Dak. 98.) Syn. *Othia Symphoricarpi* Ellis & Everh.
- Pyrenopeziza Absinthii* (Lasch.) Rehm.
On *Iva xanthiifolia*. Kulm, March, 1910.
(Fungi Dak. 215.)
- Saccobolus Kerverni* (Crouan) Boud.
On cow dung. Sykeston, 1908, Seaver.
- Saccobolus violascens* Boud.
On horse dung. Sykeston, 1908, Seaver.

- Sarcoscypha coccinea* (Jacq.) Cooke.
On wood. Fargo, 1907, Seaver.
- Sarcoscypha occidentalis* (Schw.) Cooke.
On old wood. Fargo, Seaver.
- Schizoxylon Berkeleyanum* (Dur. & Lev.) Fuckel.
On dead *Helianthus Maximiliani*. Kulm, April, 1913.
- Schizoxylon compositum* Ellis & Everh.
On *Prunus melanocarpa*. Kulm, May, 1914.
- Schizoxylon decipiens* Karst.
On *Apocynum hypericifolium*. Kulm, November, 1913.
(Fungi Dak. 264.)
- Schizoxylon decipiens Symphoricarpi* Rehm.
On *Symphoricarpos occidentalis*. Kulm, April, 1909.
- Schizoxylon insigne* (DeNot.) Bres.
On *Crataegus mollis*. Kulm, March, 1913.
(Fungi Dak. 216.)
- Pyrenopeziza caricina* (Lib.) Rehm.
On *Carex siccata*. Kulm, March, 1915.
- Pyrenophora echinella* (Cooke) Berl.
On *Dondia depressa*. Kulm, August, 1913.
- Rhopoglyphus clavisporus* (Cooke & T.) Ellis.
On *Phragmites communis*. Kulm, October, 1915.
- Pyronema omphalodes* (Bull.) Fuckel.
On burned over soil. Sykeston, 1908, Seaver.
- Rhytisma salicinum* Fries.
On *Salix spp.* Kulm, August, 1908.
(Fungi Dak. 48, 48a.)
- Rosellinia ovalis* (Ellis) Sacc.
On *Chrysothamnus graveolens*. Sentinal Butte, August, 1914, Stevens.
- Rosellinia pulveracea* (Ehrh.) Sacc.
On various dead woods. Kulm, May, 1914.
(Fungi Dak. 99.)
- Rosellinia Rosarum* (Niessl.) Rehm.
On *Rosa sp.* Kulm, May, 1913.
- Rosenscheldia Heliopsidis* (Schw.) Theis. & Syd.
Syn. *Bertiella Brenckleana* Rehm.
On *Aster multiflorus*. Kulm, March, 1910.
(Fungi Dak. 227.)
- Schizoxylon occidentalis*. Ellis & Everh.
On *Fraxinus* and *Populus*. Kulm, June, 1913.
- Scleroderma ribesia* (Pers.) Karst.
On *Ribes floridum*. Kulm, May, 1913.
(Fungi Dak. 217, 217a.)

Sordaria amphisphaerioides Ellis & Everh.

On horse dung. Kulm, November, 1913.

Sphaerella Fragariae (Tul.) Sacc.

On *Fragaria* sp. Kulm, August, 1908.

Sphaerella juniperina Ellis.

On *Juniperus prostrata*. Glenn Ullin, July, 1915, Stevens.

Sphaerella Yuccae Ellis.

On *Yucca glauca*. Mandan, July, 1915, Stevens.

Sphaerotheca Castagnei Lév.

On *Bidens vulgata*, *Collomia linearis*, *Taraxacum officinale*, and *Hydrophyllum virginianum*. Kulm and Valley City, Seymour.
(Fungi Dak. 149, 168, 219.)

Sphaerotheca Humuli (DC.) Burrel.

On *Agrimonia hirsuta* and *Viola canadensis*. Kulm, 1909.

On *Geum canadense*. Wild Rice. August, 1914, Stevens.
(Fungi Dak. 296, 399.)

Sphaerotheca Humuli fuliginea (Schw.) Salmon.

On *Taraxacum officinale*. Fargo, August, 1907, Seaver.

Sphaerotheca mors-uvae (Schw.) Berk. & Curt.

On *Ribes floridum*. Kulm and Valley City, Seymour.

Sphaerotheca pannosa (Wallr.) Lév.

On *Rosa carolina*. Fargo, September, 1914, Stevens.
(Fungi Dak. 297.)

Sphaerulina corticola (Fuckel) Rehm.

On *Rosa* sp. Kulm, October, 1914.

Sphaerulina divergens Rehm, n. sp.

On *Elymus canadensis*. Kulm, July, 1913.

Sphaerulina Salicis Syd., n. sp.

On *Salix longifolia*. Kulm, February, 1913.
(Fungi Dak. 220.)

Teichospora aberrans Rehm, n. sp.

On *Salix* sp. Kulm, December, 1913.

Teichospora fulgarata Ellis & Everh.

On *Populus deltoides*. Kulm, September, 1914.
(Fungi Dak. 321.)

Teichospora Helenae Ellis & Everh.

On *Salix* and *Populus*. Kulm, April, 1914.
(Fungi Dak. 322.)

Teichospora gregaria Ellis & Everh.

On *Fraxinus lanceolata*. Kulm, June, 1913.

Teicospora Pruni-americanae Rehm, n. sp.

On *Prunus americana*. Kulm, July, 1913.

Teichospora solitaria (Ellis) Ellis & Everh.

On *Artemisia canadensis*. Glen Ullin, July, 1915, Stevens.

Thecotheus Pelletieri (Crouan) Boud.

On dung. Woods, Fargo, 1907, Seaver.

Thyridana Fraxini Ellis & Everh.

On *Fraxinus lanceolata*. Wirsch Lake, May, 1914.

Trichopeziza sulphurea (Pers.) Fuckel.

On herbaceous stems. Fargo, Seaver.

Trichopeziza Tiliae (Peck) Fuckel.

On *Tilia americana*. Fargo, 1907, Seaver.

Uncinula Clintonii Peck.

On *Tilia americana*. Ft. Ransom, August, 1916, Stevens.

(Fungi Dak. 424.)

Uncinula macrospus Peck.

On *Ulmus americana*. Fargo, October, 1914, Stevens.

(Fungi Dak. 298.)

Uncinula necator (Schw.) Burrill.

On *Parthenocissus quinquefolia*. Fargo, October, 1914, Stevens.

(Fungi Dak. 299.)

Uncinula Salicis (DC.) Wint.

On *Salix cordata*. Fargo, October, 1914, Stevens.

(Fungi Dak. 222, 300.)

Urnula craterium (Schw.) Fries.

On dead wood. Fargo, 1907, Seaver.

Valsa ambiens (Pers.) f. *Crataegi* Rehm.

On *Crataegus mollis*. Kulm, March, 1913.

(Fungi Dak. 323.)

Valsa ambiens (Pers.) f. *Elaeagni* Rehm.

On *Elaeagnus argentea*. Kulm, 1914.

(Fungi Dak. 324.)

Valsa ambiens (Pers.) f. *Rosae* Rehm.

On *Rosa heliophylla*. Kulm, February, 1913.

(Fungi Dak. 325.)

Valsa ambiens (Pers.) Fries.

Also on *Rubus strigosus*, *Shepherdia argentea*, and *Ulmus americana*.

Kulm, October, 1916. Whether the forms on each of these hosts should be listed separately as Dr. Rehm would have it I do not know.

Valsa americana Berk & Curt.

On *Prunus americana*. Fargo, 1914.

Valsa cincta Peck.

On *Prunus melanocarpa*. Kulm, May, 1913.

(Fungi Dak. 223.)

Valsa fraxinina Peck.

On *Fraxinus lanceolata*. Kulm, June, 1913.
(Fungi Dak. 249.)

Valsa salicina (Pers.) Fries.

On *Salix*, various species. Kulm, March, 1913.
(Fungi Dak. 224.)

Valsa salicina (Pers.) Fries f. *tetraspora* Fries.

On *Salix longifolia*. Kulm, March, 1913.
(Fungi Dak. 169.)

Valsa sordida Nitsch.

On *Salix longifolia*. Kulm, March, 1913.

Valsa Symphoricarpi Rehm, n. sp.

On *Symphoricarpos occidentalis*. Kulm, March, 1909.
(Fungi Dak. 150.)

Valsa translucens DeNot.

On *Salix longifolia*. Kulm, March, 1913.

Valsaria moroides Acerina Rehm.

On *Acer Negundo*. Kulm, June, 1913.
(Fungi Dak. 250.)

Valsella nigroannulata Fuckel.

On *Salix longifolia*. Kulm, March, 1913.
(Fungi Dak. 225.)

Xylaria filiformis (Albert & Schw.) Fries.

On twigs. Kulm, April, 1908.

Zignoella Roripae Rehm, n. sp.

On *Roripa* sp. Kulm, December, 1913.

KULM, NORTH DAKOTA.